D-Link®
Building Networks for People

Fixed Wireless Backbone

DWL-1750

- Ideal for Long Range Wireless Backbone Connection
- Rugged Outdoor Housing
- Enhanced Security with Built-in Firewall
- Point-to-Point and Point-to-Multipoint Bridging Modes

AirPremier
Outdoor 2.4GHz Wireless
Bridge/Router

FOR OUTDOOR WLAN

LONG RANGE CONNECTION

BUILT-IN FIREWALL

SNMP MANAGEMENT SUPPORT

POWER OVER ETHERNET

D-Link, the industry pioneer in wireless networking, now offers economical wireless outdoor solutions. The D-Link *Air*Premier *DWL-1750* is a 2.4GHz IEEE 802.11b-compliant Wireless Bridge/Router. The *DWL-1750* can operate as a point-to-point or a point-to-multipoint bridge with static routing ability to link networks in different buildings. The D-Link *Air*Premier *DWL-1750* is ideal for broadband telecommunication providers, enterprises, store merchants and small business owners to create wireless backbone networks. It has been designed and engineered for use at manufacturing plants, industrial locations, military bases, college and high school campuses, airports, golf courses, marinas and other outdoor Wireless LAN applications.

The D-Link *Air*Premier *DWL-1750* is designed for harsh outdoor environments. With die-cast watertight housing and a built-in lightning protector, this is a robust outdoor Wireless Bridge/Router. It includes cost-effective Power-over-Ethernet (PoE) for supplying power to the AP when a power outlet is not easily available. And the unique outdoor remote-mounted design, makes for easy installation. With a one-meter RF cable needed between the *DWL-1750* and the external antenna, the *DWL-1750* is a cost-effective outdoor solution for long distance communications. D-Link also provides a variety of outdoor antennas enabling the *DWL-1750* to operate up to 20miles (32Km) in accordance with FCC regulations.

The *DWL-1750* has MAC address-based access control and many other features for stronger security. With a built-in firewall, the *DWL-1750* can work as a NAT inbound virtual server and provides IP based access control. Denial of Service (DoS) protection is also included with the *DWL-1750* to prevent your wireless network from being hacked.

The *DWL-1750* is easy to be managed by web-based user interface, Telnet, and RS-232 console configuration. SNMP (MIB I & MIB II) support also makes *DWL-1750* a solid solution for enterprise wireless network managers.

AirPremier
Outdoor 2.4GHz Wireless
Bridge/Router

DWL-1750

SPECIFICATIONS

Standards:
IEEE 802.11b Direct Sequence Spread Spectrum (DSSS)

Frequency Range:
2.4-2.497MHz ISM band

Regulation Certifications
· FCC Part15
· ETSI 300/328

Data Rage & Modulation:
· 11Mbps (CCK)
· 5.5Mbps (CCK)
· 2Mbps (DQPSK)
· 1Mbps (DBPSK)

Transmit Power (excluding external antenna)
23dBm (200mW typically)

Receiver Sensitivity:
· < -84dBm @11Mbps
· < -90dBm @2Mbps

RF Connector:
Proprietary N-type (Reverse Polarity)

Interface:
· 1 ports 10Base-T/100Base-TX Ethernet for WAN/LAN
· UART for console

Protocol Supported:
· TCP/IP
· NAT/NAPT
· Virtual Server (NAT inbound server)
· DHCP client/server
· PPPoE
· Static Routing
· Ethernet Bridging

Security:
· 64/128-bit WEP (RC4)
· MAC address based access control
· 802.11b SSID hidden
· Denial Wireless 802.11b "ANY" station
· PPPoE authentication PAP/CHAP

Firewall:
· Built-in NAT firewall
· IP based Access Control
· Denial of Service (DoS) protection

Device Management:
· Web-based manager
· Console (RS-232) configuration
· SNMP MIB I & MIB II

Firmware Upgrade:
· TFTP (Transparent FTP)
· Xmodem & 1K Xmodem

Lightning Protector Surge Current:
20KA

Power Supply (PoE):
· Input: 100~240V AC 50~60Hz
· Output: -48V DC 0.7A

FCC Operating Range:
· Up to 3.48miles (5.6Km)

Operating Temperature:
· -20~70℃ (-4~158℉) in operating
· -40~80℃ (-40~176℉) in storage

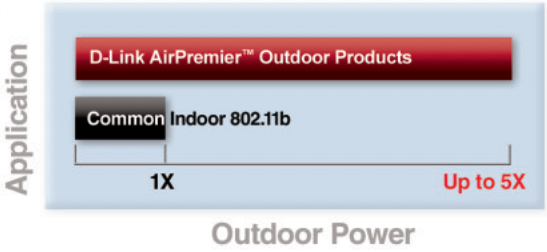
Humidity (non-condensing)
· 5% to 95% typical
· All-weather enclosure

Dimensions
· L = 9.57 inches (243mm)
· W = 7.87 inches (200mm)
· H = 3.03 inches (77mm)

Package Total Weight
16.53Lb (7.5kg)

Package Contents:
· DWL-1750 Unit
· Ethernet Inline Power Injector
· 1m Low Loss RF Cable
· 30m MIL-C-5015 style Ethernet Cable
· 2m Uplink RJ-45 Ethernet Cable
· 2m MIL-C-5015 style RS232 Configuration Cable
· User's Manual CD
· Mast Mounting Bracket with U-bolts
· Wall Mounting Bracket with screws

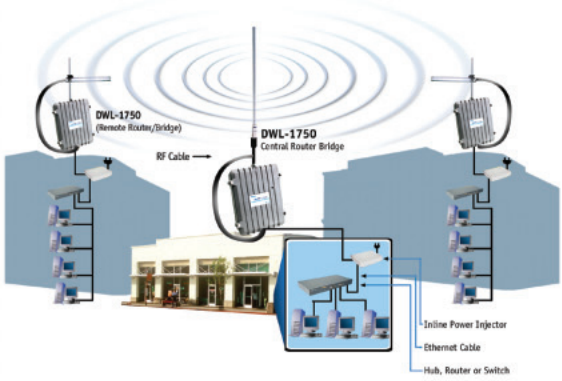
Warranty
1 Year



With an output power of 200mW and high gain antennas, the D-Link *Air*Premier Outdoor WLAN Products can transfer data with 4-5 times more power than the common 802.11b Access Points.

Advanced Firewall Features

Built-in NAT firewall	✓
IP based Access Control	✓
Denial of Service (DoS) Protection	✓
MAC Filtering	✓
Scheduling	✓



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